REV.	BRIEF DESCRIPTION OF CHANGE	ECO	DATE	BY	APPR.

SEE SHEET 1

SH.2/D1 2MHZ
SH.2/C8 RESET OUT
SH.2/C8 CS-8291A
SH.2/B1 RD
SH.2/B1 WR
SH.2/B1 A0
SH.2/B1 A1
SH.2/B1 A2
SH.2/B8 INT1
SH.2/B8 INT2

C41 1

U26 8291A
VCC 40, GND 20, DACK 7
CLK 3, RESET 4, CS 8, RD 9, WR 10, RS0 21, RS1 22, RS2 23, DREQ 6, INT 11
D0 12, D1 13, D2 14, D3 15, D4 16, D5 17, D6 18, D7 19
DIO1 28, DIO2 29, DIO3 30, DIO4 31, DIO5 32, DIO6 33, DIO7 34, DIO8 35, DAV 36
T/R1 1, ATN 26, EOI 39, T/R2 2, NDAC 38, NRFD 37, SRQ 27, REN 25, IFC 24

U28 74LS04 (1, 2)
U28 74LS04 (3, 4)
U29 74LS32 (1, 2, 3)

U32, U33, U34, U35 MC3448A
DATA 2, S/R-A 1, DATB 6, S/R-B 7, DATC 10, S/R-C 9, DATD 14, S/R-D 15, EN-AB 4, EN-CD 12, GND 8, VCC 16
BUSA 3, BUSB 5, BUSC 11, BUSD 13
+5V

J4
IEEE 488 BUS CONNECTOR
(24 PIN)
DI01 1, DI02 2, DI03 3, DI04 4, DI05 13, DI06 14, DI07 15, DI08 16, DAV 6, EOI 5, ATN 11, NDAC 8, NRFD 7, SRQ 10, REN 17, IFC 9, 21, 24, 12, 18, 23, 20

SH.2/B1 DB0 - DB7

U27 8251A
VCC 26, GND 4
D0 27, D1 28, D2 1, D3 2, D4 5, D5 6, D6 7, D7 8
CLK 20, RESET 21, RD 13, WR 10, C/D 12, CS 11, TXRDY 15, RXRDY 14, TXC 9, RXC 25
RXD 3, TXD 19, CTS 17, RTS 23, DSR 22, DTR 24

SH.2/C8 CS-8251A
SH.2/B8 INT3
SH.2/B8 INT4
SH.2/C8 BAUD CLK

U30 1489 (3, 1, 2)
U30 1489 (6, 4, 5)
U30 1489 (8, 10, 9)
C39 220PF
C38 220PF
C40 220PF
SW3 (1, 2, 8, 7) RTS ON
SW3 (3, 4, 6, 5) DTR ON
U31 1488 (4, 5, 6)
U31 1488 (9, 10, 8)
U31 1488 (12, 13, 11)

J5
RS232 INTERFACE CONNECTOR
(25 PIN)
1, 2, 3, 4, 5, 20, 6, 8, 7

QTY	ITEM	PART NUMBER	DESCRIPTION

	NAME	DATE
DFTS.	B.PATRICK	5/90
CHK.		
ENG.	T.BERTKA	5/90
MFG.		

MODEL	NEXT ASSY.
	0442-5040

FINISH:

Spectra-Physics
MOUNTAIN VIEW CA 94042

TOLERANCES, UNLESS OTHERWISE SPECIFIED:
.X ± mm: ±
.XX ± ANGLES: ±
.XXX ± SURF.FIN: ±

CONFIDENTIAL: SPECTRA-PHYSICS PROPRIETARY

GENERAL TOLERANCES PER S-P DOCUMENT NO. C-5124

SCHEMATIC
UNIVERSAL INTERFACE
P.C.B.

SCALE	SIZE	DRAWING NUMBER	SHEET	REV.
NONE	D	0442-5020	3 OF 5	D

PCAD
FILE:UIB3.SCH